

PIXEL DRIVING CIRCUIT AND METHOD FOR USE IN ACTIVE MATRIX ELECTRON LUMINESCENT DISPLAY

ABSTRACT OF THE DISCLOSURE

A pixel driving circuit for use in an active matrix electron luminescent display includes a transistor, a capacitor and an organic light-emitting diode. The capacitor has a first and a second ends coupled to the gate electrode of the transistor and a ground voltage, respectively. The organic light-emitting diode has a P and an N electrode coupled to the source electrode of the transistor and the ground voltage, respectively. The capacitor is charged by a driving current received from a data line to generate a specified voltage to bias the transistor and the organic light-emitting diode in the memorizing state, and the transistor and the organic light-emitting diode are further biased with the specified voltage in the emission state.